

FIG. 1 (Prior Art)

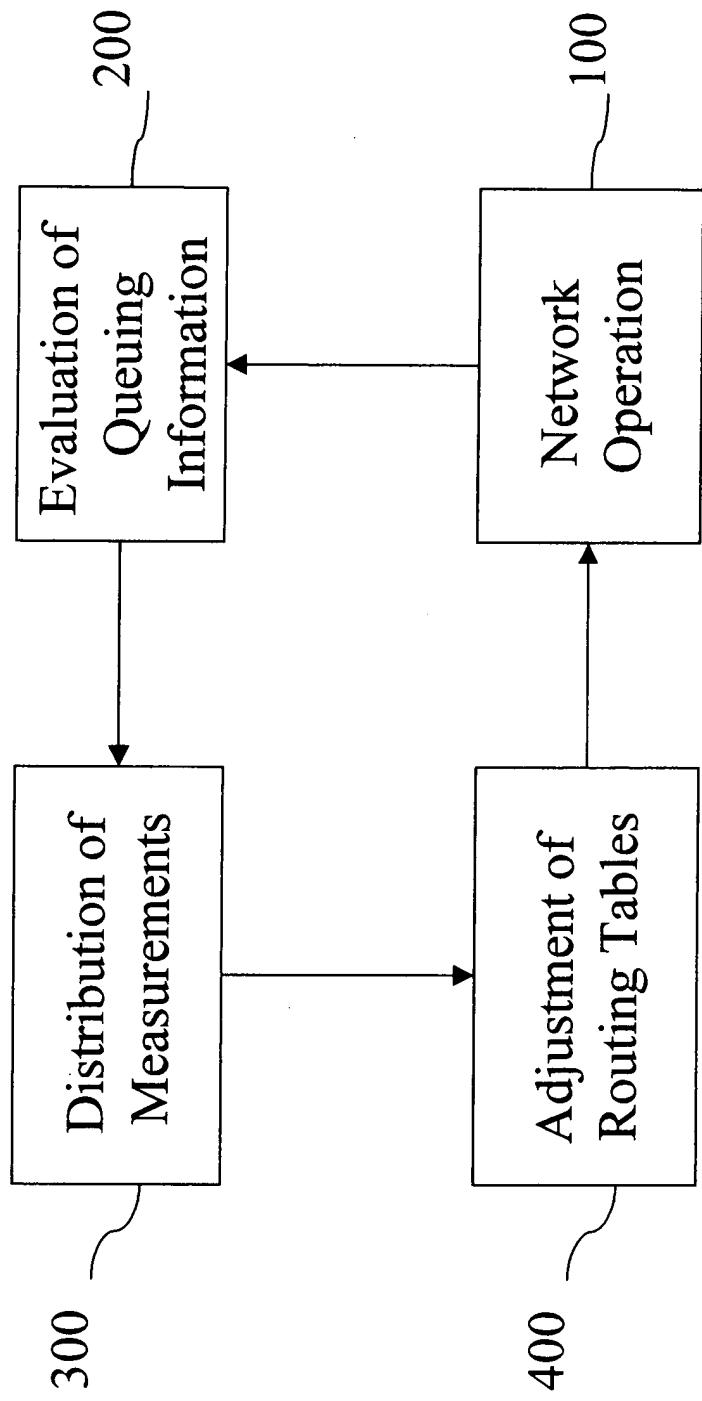


FIG. 2

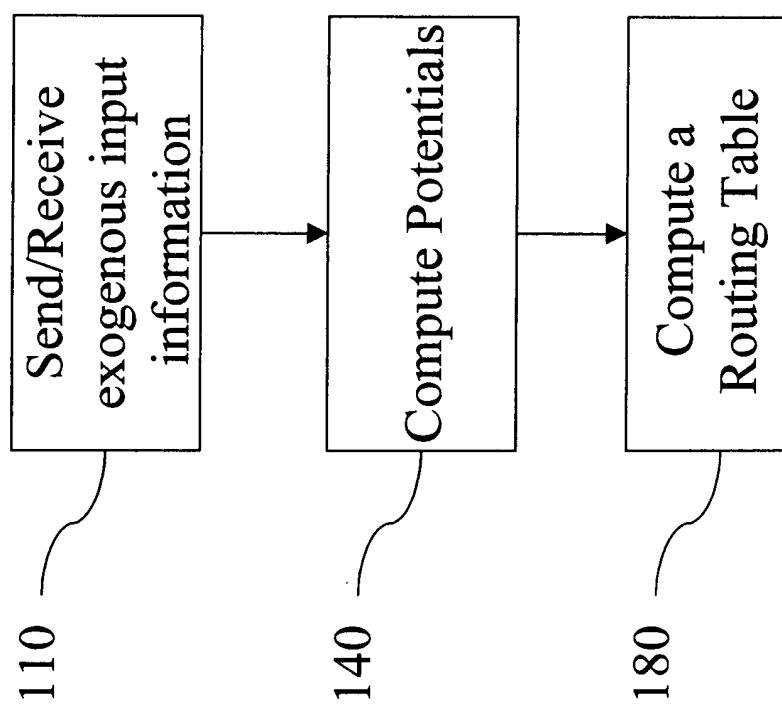


FIG. 3

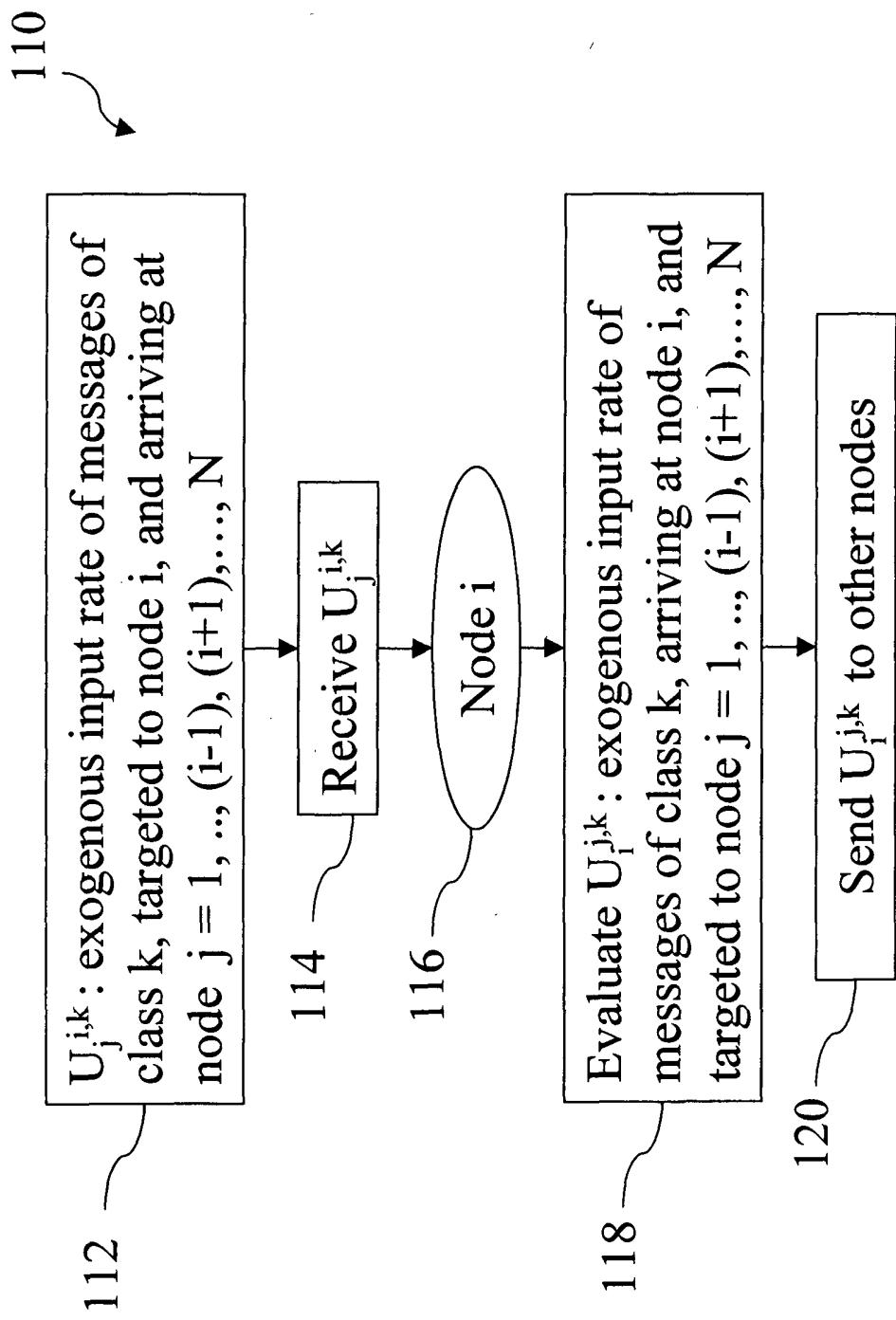
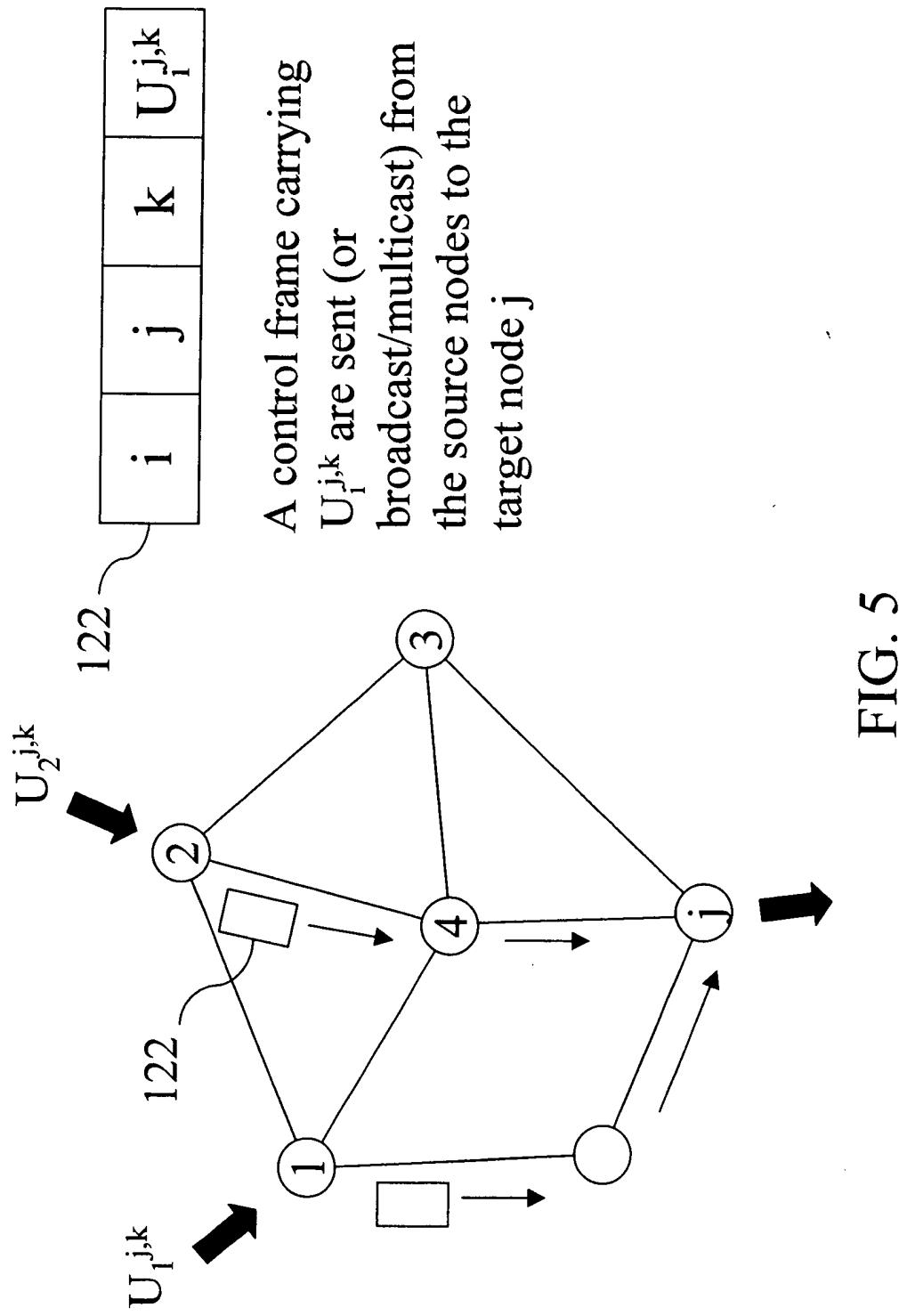


FIG. 4



$$\begin{aligned}N(1) &= \{2, 4, 5\} \\N(2) &= \{1, 3, 4\} \\N(3) &= \{2, 4, 6\} \\N(4) &= \{1, 2, 3, 6\} \\N(5) &= \{1, 6\} \\N(6) &= \{3, 4, 5\}\end{aligned}$$

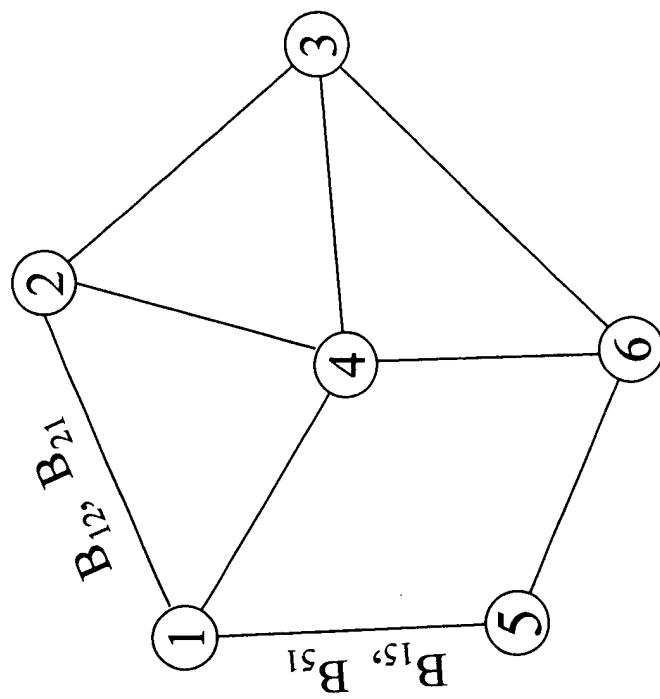


FIG. 6

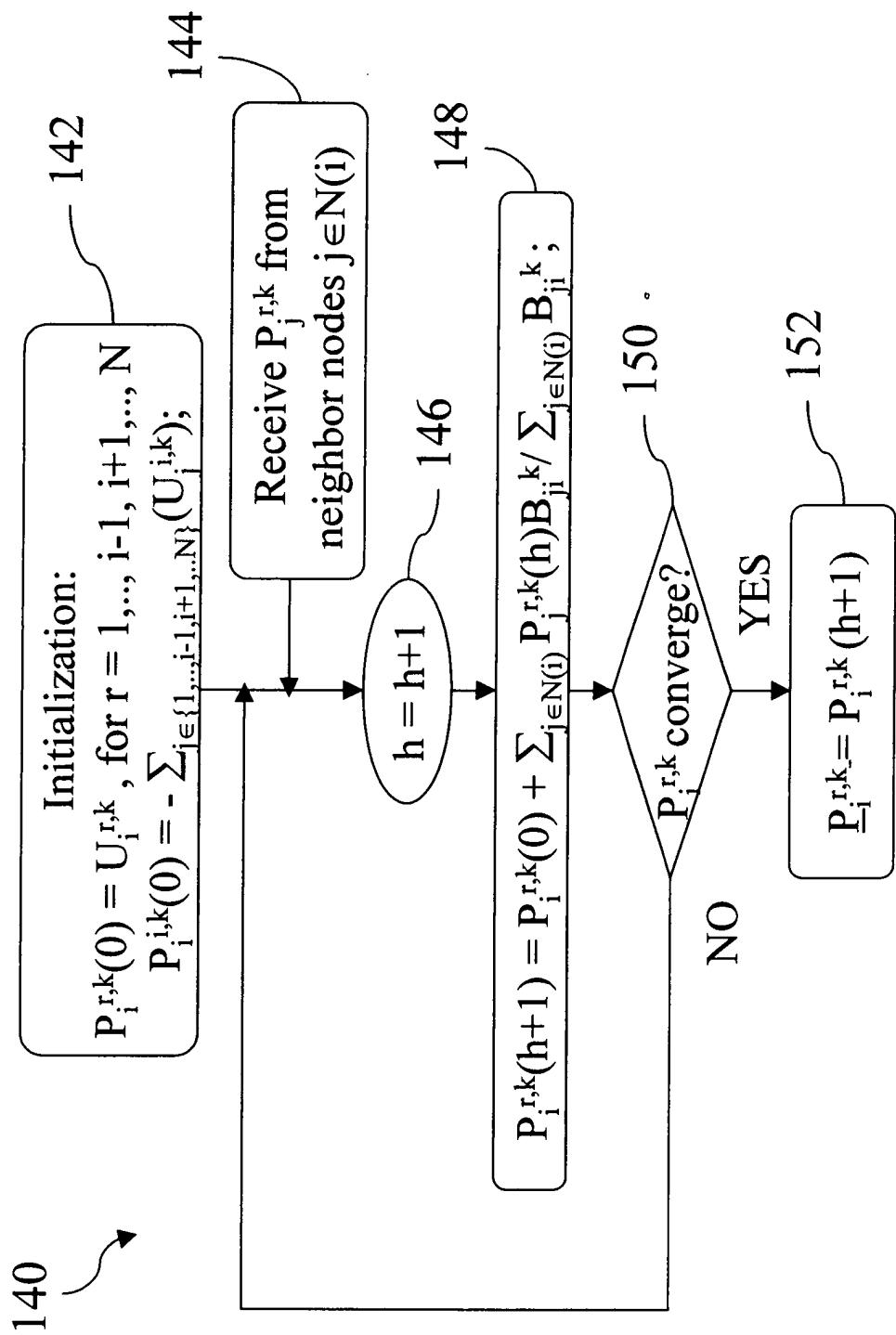


FIG. 7

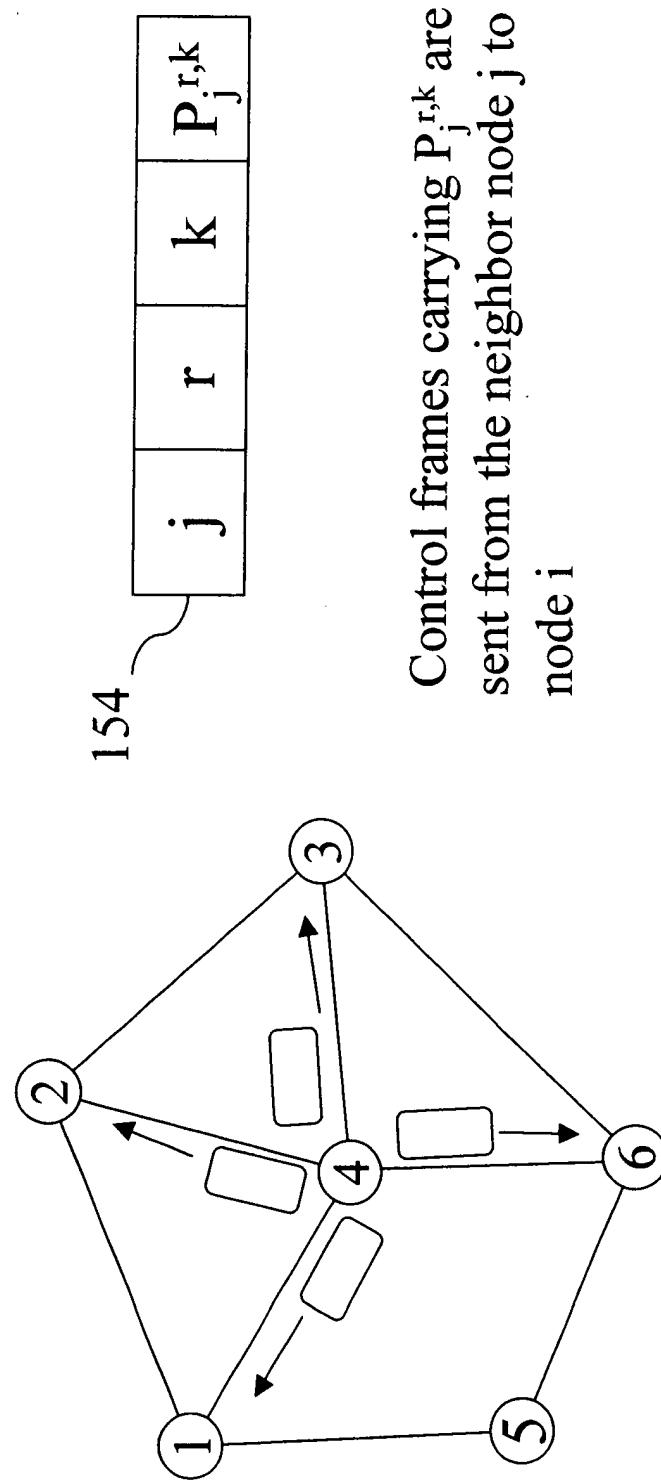


FIG. 8

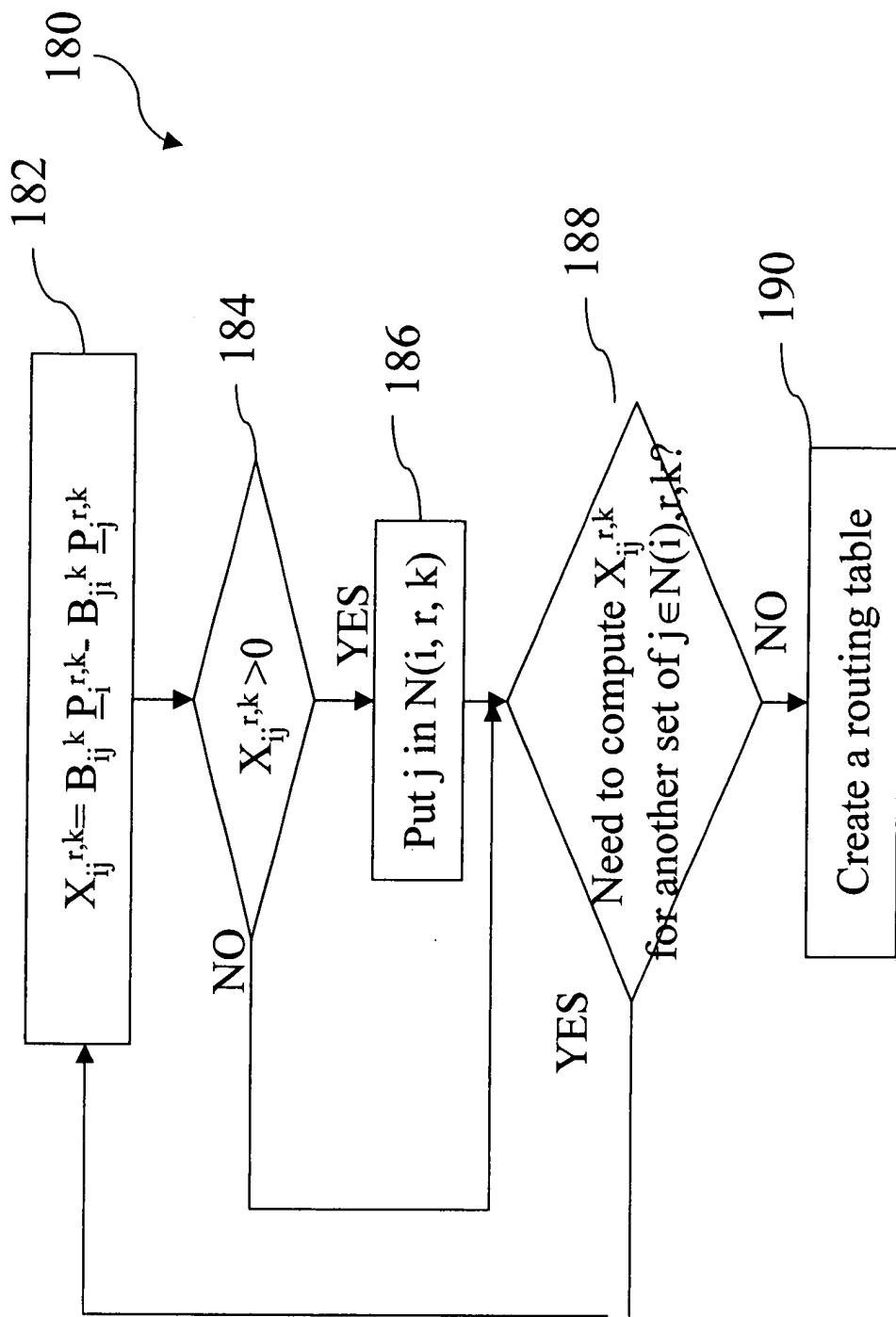


FIG. 9

Routing Table at Node i

Target node address	Next node address	Percentage of flow rate
r1	$j_1 \in N(i, r1, 1)$	$X_{i,j_1}^{r1,1} / \sum_{j \in N(i, r1, 1)} X_{i,j}^{r1,1}$
r1	\vdots	\vdots
r1	$j_n \in N(i, r1, 1)$	$X_{i,j_n}^{r1,1} / \sum_{j \in N(i, r1, 1)} X_{i,j}^{r1,1}$
\vdots	\vdots	\vdots
r2	$k_1 \in N(i, r2, 1)$	$X_{i,k_1}^{r2,1} / \sum_{k \in N(i, r2, 1)} X_{i,k}^{r2,1}$
\vdots	\vdots	\vdots

FIG. 10

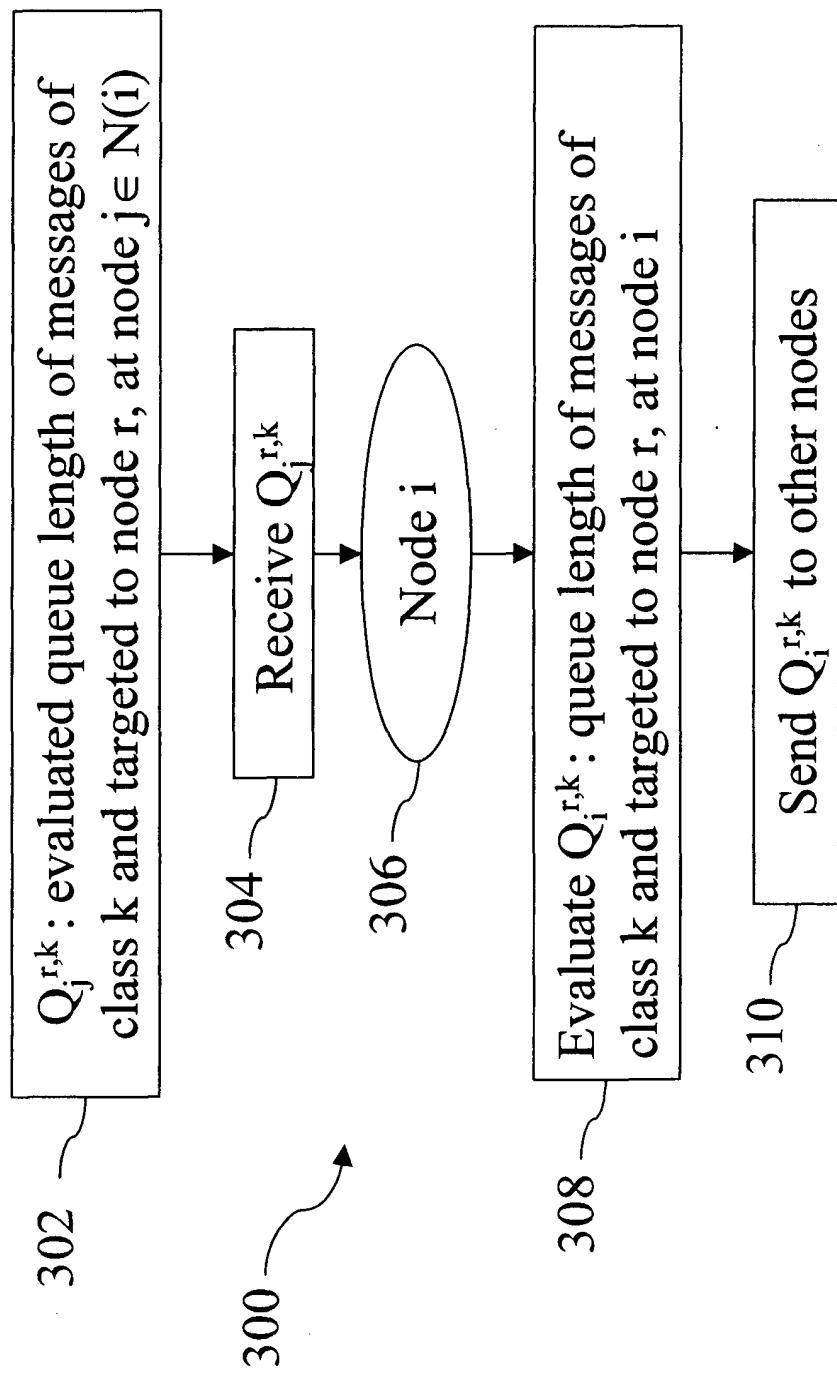


FIG. 11

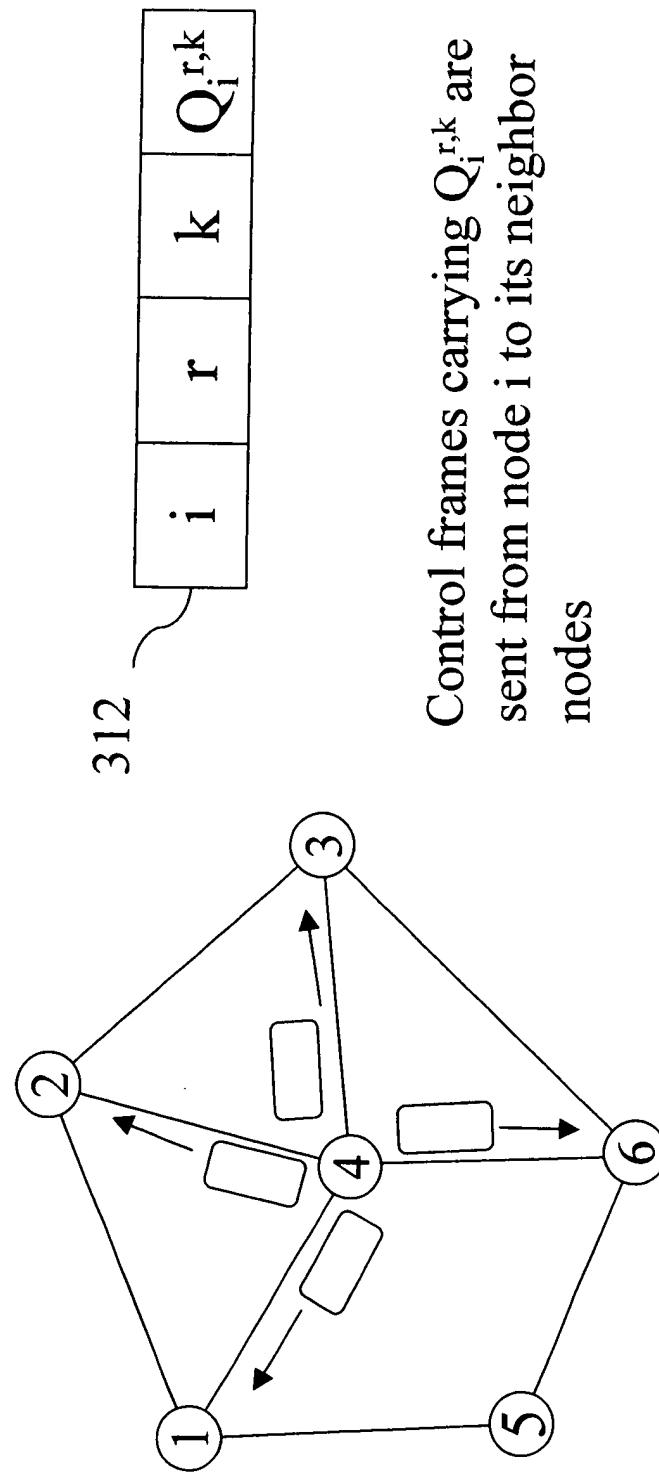


FIG. 12

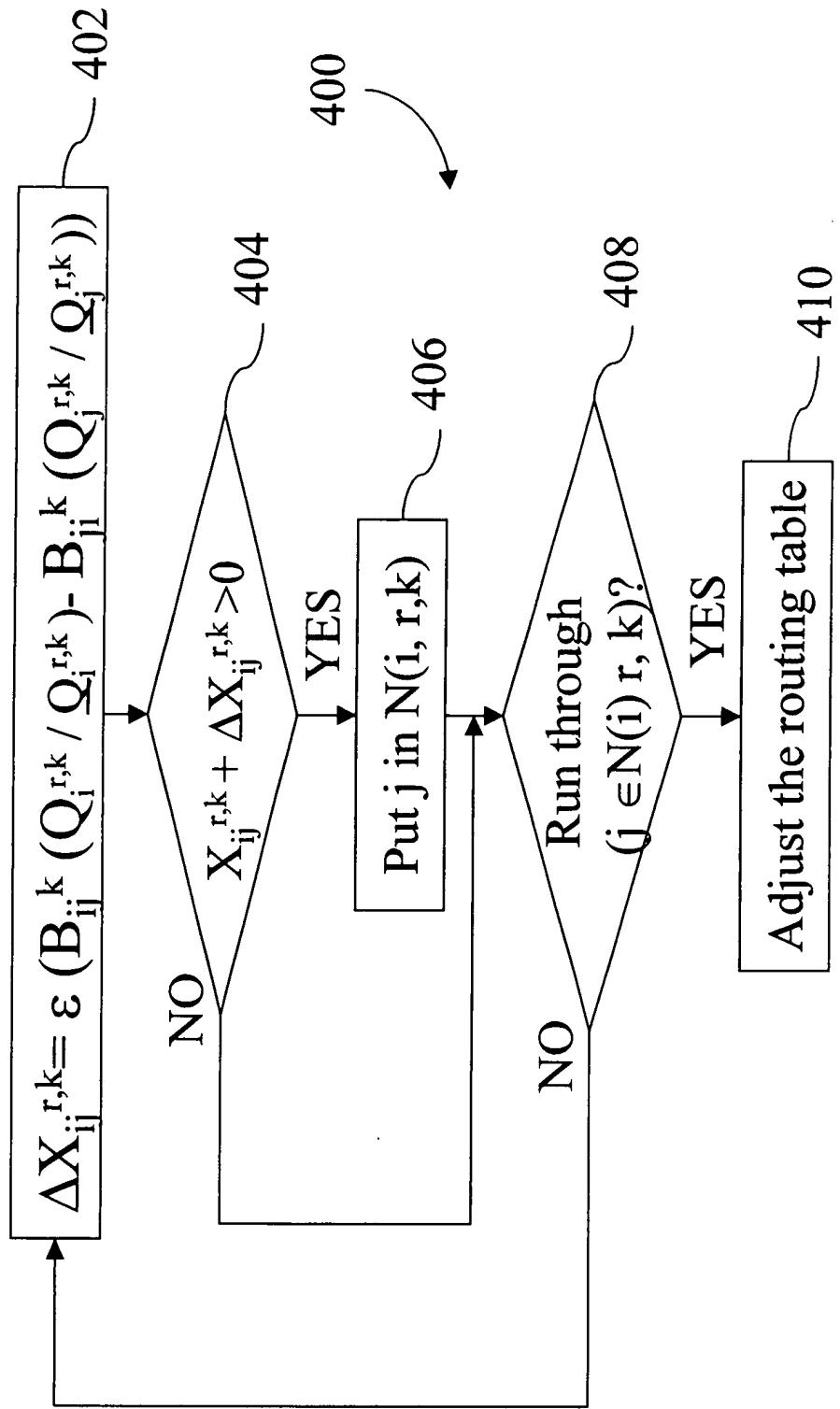


FIG. 13

Routing Table at Node i

Target node address	Next node address	Percentage of flow rate
r1	j1 $\in N(i, r1, 1)$	$\frac{(X_{i,j1}^{r1,1} + \Delta X_{i,j1}^{r1,1}) / \sum_{j \in N(i, r1, 1)} (X_{i,j}^{r1,1})}{+\Delta X_{i,j}^{r1,1})}$
r1	:	:
r1	jn $\in N(i, r1, 1)$	$\frac{(X_{i,jn}^{r1,1} + \Delta X_{i,jn}^{r1,1}) / \sum_{j \in N(i, r1, 1)} (X_{i,j}^{r1,1})}{+\Delta X_{i,j}^{r1,1})}$
:	:	:
r2	k1 $\in N(i, r2, 1)$	$\frac{(X_{i,k1}^{r2,1} + \Delta X_{i,k1}^{r2,1}) / \sum_{k \in N(i, r2, 1)} (X_{i,k}^{r2,1})}{+\Delta X_{i,k}^{r2,1})}$
:	:	:

FIG. 14